

B1
concl'd

selection mask 20 includes a plurality of fine metal leads which are [is] attached to and extend over the frame member 22 by the resistance welding method or laser welding method under the condition that the tension is applied in the vertical direction. A plurality of apertures 21 are formed between the fine metal leads with a pitch between the apertures as shown in Fig. 4B. The frame member 22 is removably attached to the face plate 10 with a fitting device 23 formed of spring. The other structure of the color picture tube is similar to that of the existing color picture tube and detail description will be omitted here. --

IN THE CLAIMS:

Please cancel claims 1 to 4, amend claims 5, 6, 7 and 12, and add new claims 17 to 19 as follows (the amended claims are presented below with all additions and deletions relative to the original patent being marked with underlining and brackets pursuant to 37 CFR 1.173(d) and (g)):

B2

5. (Amended) A cathode ray tube according to claim 10 [1], wherein a multiple layered resin film is bonded to the external surface of the face plate of the glass bulb.

B3

6. (Twice Amended) A cathode ray tube according to claim 10 [1], wherein the color selection mechanism is formed of a frame and a plurality of fine metal [fine] leads extended over the frame and the pitch of apertures between said fine metal leads is gradually widened toward a peripheral area in a horizontal direction of the face plate.

7. (Amended) A cathode ray tube comprising:

B4 a glass bulb having a skirt portion in which both an external surface and an internal surface of an effective display area of a face plate are substantially flat and the face plate in the effective display area is substantially uniform in thickness; and

a color selection mechanism having a curvature projected toward the face plate provided opposed to an internal surface of the face plate within the glass bulb.

B5 12. (Amended) A cathode ray tube comprising:

a glass bulb having a skirt portion in which an external surface of an effective display area of a face plate is substantially flat and a thickness of the effective display area of the face plate is substantially uniform; and

a color selection mask having a curvature projected toward the face plate provided opposed to an internal surface of the face plate within said glass bulb.

[Please add the following new claims 17 to 19:]

B6 17. (Newly added) A glass bulb in which an external surface of an effective display area of a face plate is substantially flat and an internal surface of the effective display area of the face plate has a recessed curvature, and a thickness of a peripheral area in a horizontal direction of the effective display area of the face plate is thicker than that of a center of the effective display area so that the face plate is visually flat by means of the refraction effect; and

a color selection mask having a curvature projected toward the face plate provided opposed to the internal surface of the plate within said glass bulb.

B6
concl

18. (Newly Added) The glass bulb according to claim 17, wherein the projected curvature of the color selection mask is larger than the recessed curvature of the internal surface of the face plate.

19. (Newly Added) The glass bulb according to claim 18, wherein said color selection mask has a plurality of apertures, and a pitch between adjacent apertures is gradually widened toward the peripheral area in the horizontal direction of the face plate.

STATEMENT OF STATUS OF CLAIMS AND SUPPORT
FOR CHANGES TO SPECIFICATION AND CLAIMS

The following statement of the status and support for the changes to the specification and claims in this reissue application made by the above amendment is provided to comply with 37 CFR 1.173(c) and to facilitate the Examiner's reconsideration of this reissue application.

Claims 1 to 4 have been canceled, claims 5, 6, 7 and 12 have been amended, and new claims 17 to 19 have been added by this amendment. Claims 5 to 19 are pending for the Examiner's consideration.

The specification has been amended by this Amendment in the paragraph beginning at column 4, line 62, to add the phrase --skirt portion of the-- before "face plate 10" in line 63. The other changes to this paragraph were described in the Preliminary Amendment filed with the reissue application on January 18, 2002. Claims 7 and 12 have also been amended to add the phrase --having a skirt portion-- after "a glass bulb" in the second line of each claim. Support for the phrase "skirt portion" is found in Figs. 1 to 3 of the drawings, each of which show a tension band 12 wound about the skirt portion of the face plate 10 near the funnel 11. The phrase "skirt portion" is conventional terminology

used for describing the portion of the face plate that projects rearwardly from a front face portion of the face plate (*see, e.g.*, U.S. Patent No. 4,720,748, which refers to a “skirt portion 5”).

Claims 5 and 6 have been amended to depend upon claim 10. Support for these changes is found in the original claims.

New independent claim 17 corresponds generally to claim 1 of the ‘028 patent and is believed to find sufficient support therein for most of the claimed features. Claim 17 differs from claim 1 by including the phrases “an internal surface of the effective display area of the face plate has a recessed curvature” and “so that the face plate is visually flat by means of the refraction effect.” Support for these changes is found in the disclosure of the ‘028 patent at column 2, lines 38 to 54, and in Fig. 1 of the drawings. Claim 17 also differs from claim 1 by using the phrase --color selection mask-- instead of “color selection mechanism.” Support for this terminology is found in the disclosure of the ‘028 patent at column 4, lines 22, 32, 33, 49, 59, etc.

New claim 18 recites that the projected curvature of the color selection mask is --larger than the recessed curvature of the internal surface of the face plate--. This limitation corresponds to a similar limitation in claim 3 of the ‘028 patent and finds support in column 4, lines 32 to 34, and in Fig. 1 of the drawings.

New claim 19 recites that the color selection mask has a plurality of apertures with a pitch between adjacent apertures being gradually widened toward a peripheral area in a horizontal direction of the face plate. This limitation finds support in the ‘028 patent at column 4, lines 55 to 61, and column 5, lines 36 to 43, and in Fig. 4B of the drawings.